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(54) Title: THE POLYELECTROLYTE COMPOSITION FOR HUMIDITY SENSOR, POLYELECTROLYTE INK AND PREPARATION METHOD OF POLYELECTROLYTE MEMBRANE FOR SENSOR BY INKJET PRINTING

(57) Abstract: This invention is relating to the polyelectrolyte composition for humidity sensor, polyelectrolyte ink and the preparation method of polyelectrolyte membrane for humidity sensor by inkjet printing. The polyelectrolyte composition according to this invention is composed of polyelectrolyte, crosslinking agent and organic solvent comprising a single component or in the form of a mixture of two or more solvents such as alcohols. And an ink manufactured from above polyelectrolyte composition, is manufactured by adding to organic solvents such as polyhydric alcohols ensuring the solution fluidity suitable for the head of inkjet printer, high-boiling humectant preventing drying of ink and surfactant. This invention is to provide polyelectrolyte composition and polyelectrolyte ink composition suitable for humidity sensor, and the preparation method for reliable humidity sensor with uniform thickness through inkjet printing.

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